

Product datasheet for **RN211106**

Trmo (NM_001025652) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Trmo (NM_001025652) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Trmo
Synonyms:	Nap1; RGD1305420
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN211106 representing NM_001025652
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGCGCGGCTTGGAGAAGCAGGGTCCGAGTGCTACAGCGGCCCATGTGGGTGCGCTCAGCCGGCCCTGG
 AGACAGGGAATCTTTAACTGAGCCAATAGGGTACTTGGAATCATGTTTCTCAGCCAAGATTGGTACTCC
 AAGGCAGCATCCATTTGTAGCCAATCCAGAGCCTGTTTGAAGATCAGAAAGAGCATCTTTAATAATCCT
 GAACATTCCTTGATGGGCCTAGAACAGTCTTCTCATGTTTGGATCTTGTCTTTTCAAAAAACGGCC
 ATTTGAATTACAAGGCAAAAGTCAACCCCTAGGCTGAACGGGGCAAAGACCGGAGTGTCTCCACACG
 GAGCCCCCATCGCCGAATGCAATAGGACTGACACTGGCCAAGCTGGAGAAGGTGGAAGGTGGAGCTGTA
 TACCTGTCTGGAATTGACATGATACACGGCACACCTGTGCTAGACATAAAGCCCTACATTGCCGACTACG
 ACTCACCACAGAACTGGAGCCACAGACTAAACACCACAAGCTGAGGGCTGCGGGCCCATCTGACGCCAC
 AGCTAACAGTTGTGACCAGCAGCTGCTCTCAGGGTGTGAGAAAGCACAGCCTTGCCACAGCACCAAGGAG
 AAACCGAAATGCCGTGAACACAGGACCTCGGATGAAAACCTCCAGAAATTGAGAGACACCTCAGAAATCC
 AGCACACTTTGCCAGAGGACAGAGAGAGCAGTGGATTTAGCCCTGGAATCAAGCAGAGAGGAAACCAT
 GGATGAGCCTGAAGATCAGCTTGCCCCACAGGAGCTGAAGAGCTTTCTGGAAGAAGGCACAGATAGACCA
 AGGAAAGTGGAAGGTGCCTTGGTCTGCGGGGAGCAGTGCAGAAACACGGTGGGATGCTTCTGCCATG
 CCAGGACAGCTGACAGAGTGCCCTGCAGTGTGTCCAGCTGGGTGAAGGAGGCTCCTGTAGCCACTTT
 ACAAGTCCGGTTTACTCCTCATGCAGAGATGGATCTGAGGAAGCTCAGTTCAGGAGGTGCTAGTCAGACG
 TCGTTTAAATACTTCCATTCCGCAGAGGAAGCCAAGTGTGCCATTGAGGCTATGCTGTGACGAGACCCTC
 GGTCTGTGTACCGCGGAAGCTCTGTGAGGACCGCCTTTTCTTTTACTGTGGACATAGCACATGTCAC
 GTGCTGGTTTGGTGATGGCTTTGCAGAGGTTCTGAGGATTAACCTGGCTTCTGAGCCTGTTGAGGTGGCT
 GACCCTGAGGAGTCTTTGGTGGCCTTGGGTCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001025652

Insert Size: 1296 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: NM_001025652.1, NP_001020823.1

RefSeq Size: 1478 bp

RefSeq ORF: 1296 bp

Locus ID: 298072

UniProt ID: [Q4V7E0](#)

Cytogenetics: 5q22

Gene Summary: S-adenosyl-L-methionine-dependent methyltransferase responsible for the addition of the methyl group in the formation of N6-methyl-N6-threonylcarbamoyladenosine at position 37 (m(6)t(6)A37) of the tRNA anticodon loop of tRNA(Ser)(GCU). The methyl group of m(6)t(6)A37 may improve the efficiency of the tRNA decoding ability. May bind to tRNA.[UniProtKB/Swiss-Prot Function]